

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2018 Levee Inspection Results

Solano County Public Works Mellin Levee

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) | | | | |

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Solano County Public Works Mellin Levee

| Waterway | | | Bank | Unit Miles |
|--|---|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Mellin Levee | | | Right | 0.59 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 4/10/2018 - 4/10/2018 | | | |
| DWR Inspector | Keith Millard | | | |
| Accompanied By | Jeff Barich Solano County Water Agency | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Solano County Public Works Mellin Levee

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Mellin Levee | Right | 0.59 | 04/10/2018 04/10/2018 | Keith Millard |

| | | | | | |
|--|----------------------------------|--------------|------------------------|------------|----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 6 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| DWR ID | DWR_NA0012_01_s _ 2013_6 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| LMA has a copy of the O & M Manuals on file at the office. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|------------------------|------------|----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 7 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| DWR ID | DWR_NA0012_01_s _ 2013_7 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| LMA has an adequate supply of flood fight supplies on hand. | | | | | |

No Photos

| | | | | | |
|---|-------------------------------|--------------|------------------------|------------|----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 9 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | ° | ° |
| DWR ID | DWR_NA0012_01_s _ 2013_9 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| LMA trained in 2017 and will attend training in 2018. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2018

Solano County Public Works Mellin Levee

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Mellin Levee | Right | 0.59 | 04/10/2018 04/10/2018 | Keith Millard |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 1 |
| LM End | 0.28 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.174055 ° | 38.176849 ° |
| | | | | -121.674285 ° | -121.677842 ° |
| DWR ID | DWR_NA0012_01_f_2017_1 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Unable to adequately see landside due to vegetation. | | | | | |

Photo 1 of 1 : SP_2018_NA0012_258_1_20180410_00008.jpg



Landside vegetation should be managed to allow inspection of ground surface and access.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 10 |
| LM End | 0.59 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.174133 ° | 38.180069 ° |
| | | | | -121.674351 ° | -121.682003 ° |
| DWR ID | DWR_NA0012_01_s_2018_10 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 3 |
| LM End | 0.59 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.174167 ° | 38.180084 ° |
| | | | | -121.674312 ° | -121.681992 ° |
| DWR ID | DWR_NA0012_01_s_2012_3 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_NA0012_258_3_20180305_00003.jpg



Looking west at fence on waterside shoulder.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Solano County Public Works Mellin Levee

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Mellin Levee | Right | 0.59 | 04/10/2018 04/10/2018 | Keith Millard |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 8 |
| LM End | 0.08 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.174356 ° | 38.174834 ° |
| | | | | -121.674600 ° | -121.675159 ° |
| DWR ID | DWR_NA0012_01_f_2017_8 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Tractor trailers and equipment at landside toe. | | | | | |

Photo 1 of 1 : SP_2018_NA0012_258_8_20180305_00007.jpg



Looking northwest at the equipment on the landside toe.

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | M | Issue No. | 4 |
| LM End | 0.28 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.175115 ° | 38.176805 ° |
| | | | | -121.675463 ° | -121.677893 ° |
| DWR ID | DWR_NA0012_01_s_2012_4 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2018_NA0012_258_4_20180305_00004.jpg



Looking southeast at fence on landward slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.16 | Rating ** | M | Issue No. | 11 |
| LM End | 0.30 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.175630 ° | 38.177131 ° |
| | | | | -121.676216 ° | -121.678204 ° |
| DWR ID | DWR_NA0012_01_s_2018_11 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--|--|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|--|--|--|--|

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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 Mellin Levee | Right | 0.59 | 04/10/2018 04/10/2018 | Keith Millard |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.28 | Rating ** | M | Issue No. | 12 |
| LM End | 0.59 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.176849 ° | 38.180078 ° |
| | | | | -121.677842 ° | -121.681994 ° |
| DWR ID | DWR_NA0012_01_s_2018_12 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.58 | Rating ** | M | Issue No. | 2 |
| LM End | 0.58 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.179951 ° | 38.179951 ° |
| | | | | -121.681854 ° | -121.681854 ° |
| DWR ID | DWR_NA0012_01_f_2015_2 | | | | |
| Comment Code | | | | | |
| TA : Tank | | | | | |
| Inspector Comment | | | | | |
| Water tank and fencing on waterward shoulder and slope. | | | | | |

Photo 1 of 1 : SP_2018_NA0012_258_2_20180305_00002.jpg



Looking north at water tank stored at waterward toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|